

Determination of Nuclear Moments of Gd^{155} and Gd^{157}
from the Hyperfine Structure of Paramagnetic Resonance,
by A. A. Manekov, and A. M.
Prokhorov, 2 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fis, Vol XXXIII, No
5 (11), 1957, pp 1116-1118.

Amer Inst of Phys
Sov Phys-JETP
Vol VI(33), No 5

Sci - Phys

Jul 58

67,073

Use of Molecular Beams for the Radio-
Spectroscopic Study of the Rotational Spectra
of Molecules, by N. G. Basov, A. M. Prokhorov,
13 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVII, No 4(10), 1954, p 431.

Morris D Friedman
\$4.00

Scientific - Physics

CTB 69/Jun 55

24,739

Theory of a Molecular Generator and Power
Amplifier, by N. G. Basov, A. M. Prokhorov,
5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR,
Vol CI, No 1, 1955, pp 47-49.

Morris D. Friedman
\$2.50

Scientific - Engineering
CIS 73/Oct 1955

27,890

Theory of the Molecular Generator and Molecular
Power Amplifier, by N. G. Basov, A. M. Prokhorov,
4 pp.

RUSSIAN, no par, Zhurn Eksper i Teoret Fiz, Vol XXX,
No 3, 1956, pp 560-563.

Amer Inst of Physics
Soviet Physics, JETP
Vol III, No 3

Sci - Physics
Apr 57 CTS

46,604

Cardinal and Changing Electronics Parameters
Resistance at Low Temperatures, by G. M. Kozlov, et al.,
A. M. Pechenkov, 4 pp.

RUSSIAN, per, Prib 1 Tekh Eksper, No 3, 1959,
pp 107-110.

Instru Soc of Amer

Ref
Aug 60

122, 107

Spin-Lattice Relaxation in Chromium Corundum,
by A.A. Manenkov, A.M. Prokhorov, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol
XXVIII, No 3, 1960, pp 729-733.

AIP
Sov Phys - JETP
Vol XI, No 3

Sci
Nov 60

132, 825

Electron Paramagnetic Resonance Spectrum of
 V^{3+} in Corundum, by G.M. Zverev, A.M. Prokhorov,
4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol
XXXVIII, No 2, 1960, pp 449-454.

AIP
Sov Phys - JETP
Vol XI, No 2

Sci
Nov 60

132, 798

Microwave Spectrum and Rotational Constants, of
The C_2H_3Cl Molecule, by A. I. Barchukov, T. M.
Murina, A. M. Prokhorov, 2 p.

RUSSIAN, per, Opt i Spekt 1958, Vol IV, No 4,
pp 521-523.

HLA 59-20860

Sci
Mar 60
Vol 3, No 1

111,023

Ammonia (3.3) Absorption Line as Frequency Meter
Standard With 10^{-6} Accuracy in the 5-20 mc Band, by
B. D. Osipov, A. M. Prokhorov, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, USSR, Vol CII,
No 5, 1955, pp 933-934.

Morris D. Friedman

Scientific - Physics

Jan 56 CTS/DEX

\$1.50

30,261

V
Possible Methods of Obtaining Active
Molecules for a Molecular Oscillator, by
H. G. Basov, A. M. Prokhorov, 2 pp.

RUSSIAN, bim per, Zhur Eksper i Teoret Fiz,
Vol XXVIII, No 1, 1955, pp 249-250. CIA C 40845

American Inst of Physics
57 East 55 St.
New York 22, N. Y.

Scientific - Physics

31,293

The Effect of Vanadium on the Spin-Lattice
Relaxation of Chromium in Corundum, by G. M.
Zverov, A. M. Prokhorov. pp 6

RU:SIAM, per, Fiz Tverdogo Tela, Vol IV, No 11,
1962, pp 3136-3143.

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, No 11

Sci

Jun 63

340,780

V
The Fine Structure of the Spectrum of the
Paramagnetic Resonance of the Ion Cr^{3+}
in Chromium Corundum, by A. A. Manenkov,
A. M. Prokhorov, 1 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVIII, June 1955, pp 762. CIA C 40837

American Inst of Physics
57 East 55 St.
New York 22, N. Y.

Scientific - Physics

31,383

Coherent Radiation of Electrons in a
Synchrotron in the Centimeter Wave Region,
by A. M. Prokhorov.

RUSSIAN, per, Radiotekhnika i Elektronika,
Vol I, 1956, pp 71-78.

Navy Tr 3552/APL 390

Sci - Electron, Phys
Sep 63

344,165

Fine and Hyperfine Structure of the Paramagnetic
Resonance Spectrum of Cr^{3+} in Corundum, by G. M.
Zverev, A. M. Prokhorov. UNCLASSIFIED

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIV,
No 2, 1958, pp 513, 514.

MIT (Lincoln Lab)

Sci - Physics
May 58

63,500

Theory of the Molecular Generator and Molecular
Power Amplifier, by N. G. Basov, A. M. Prokhorov,
8 pp.

RUSSIAN, bino per, Zhur Eksper i Teoret Fiz, Vol
XXI, No 3, 1956, pp 560-564.

Morris D. Friedman
\$4.00

Sci - Physics

38,245

Method of Measuring Absorption Coefficients in
Microwave Radio-Spectroscopy, by A. M. Prokhorov,
A. I. Barchukov, 4 pp.

RUSSIAN, bino per, Zhur Eksper i Teoret Fiz,
Vol XXVI, 1954, p 761-763. CIA D 18 2758
9093037

Morris D. Friedman
P-124 \$2.00

USSR

Scientific - Physics

CTS 65/Feb 55

21,280

The Penetration and Ionization of Atoms in
a Strong Radiation Field, by F. V. Duxin,
A. N. Rudchenkov, 5 pp.
NIIKIN, part. New Paper 1 Secret File,
Vol XIX, No 3, 1964, pp 1090-1097.

Amur East of Flys
Soviet Flys - JETP
Vol XIX, No 3,

Oct 65

Oct 64

267.770

Determining 0 and $\frac{1}{2}$ Spins of Nuclei from Microwave
Spectra of Molecules, by A. M. Prokhorov, N. G. Basov.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol XC,
No 6, 1953, p 1003.

CIA 9102179
CIA 9102180
REF Tr 169

RT-831

USSR
Scientific - Physics

Jan 54 CTS

8934

S-199/64

The Cosmos and Cybernetics, by Andrey Prokhorov,
Il'ya Zakharov. (DC-10284)

RUSSIAN, ~~1962~~, Zarya Vostoka, 18 Aug 1962, p 3.

*JPRS

Sci-Biol & Med Sci

Feb 64

Hyperfine Structure of Paramagnetic Resonance.
Nuclear Spin and Magnetic Moment of the 5.3-Year
Radioactive Isotope Eu^{152} , by A. A. Manenkov,
A. U. Frolov, P. S. Trukhlyayev, G. N.
Yakovlev, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXI, 1957,
pp 623-625.

AEC 3398

Sci - Nuc Phys

74,580

Oct 58

Increasing Tensile Strength and Reducing the Weight
of Welded MK-Steel Pipes, by A. V. Prokhorov, 4 pp.

RUSSIAN, per, Stal, No 1, 1959, pp 88-91.

Iron and Steel Inst

Sci - Min/Met

Sep 59

96,552

New Method for the Diagnosis of Tuberculosis in
Living Powl, by A. V. Prokhorov.

RUSSIAN, per, Veterinariya, Vol XXIV, No 9,
Moscow, 1958, pp 60-64. CIA 9033771

USDA

Sci - Medicine
Nov 58

76,869

(NY-7126)

Inductive Properties of a Double-Base Diode,
by N. A. Shokhovtsov, E. D. Freidberg, 7 pp.

RUSSIAN, par, Iz Vysokikh Ucheb Zaved, 1970,
Soviet, Radiotekhn, Vol V, No 1, 1970, pp 126-127.

JPRS 14401

Sci

Jul 68

202,934

Semiconductor Device for Lengthening Pulses,
by E. D. Frohman, N. A. Shchegolev, 10 pp.

RUSSIAN, per, Investiya Vysshikh Uchebnykh
Zavedeniy SVIADSO SSSR po Nauchnu Radiotekhnika,
Vol V, No 3, 1962, pp 394-396.

JPRS 16211

Sci

Nov 62

217,990

Fundamental Problems of Preparing Feedwater
for Power Stations in the Current Septennial,
by F. G. Prokhorov, 16 pp.

RUSSIAN, per, Teploenergetika, No 3, 1960,
pp 3-8.

Dept of Interior
TC7 E57 No 41

Sci - Engr
Feb 63

221,409

The Optimum Conditions for Regenerating
H-Cationite Filters With Different Cationites,
by F. G. Prokhorov, T. A. Kurakaya.

RUSSIAN, per, Teploenergetika, No 10, 1958,
pp 35-42.

DSIR LLU RTS 1542

Sci - Engr

Oct 60

128,729

COOPERATION BETWEEN THE WORLD SOCIALIST
SYSTEM AND THE UNDERDEVELOPED COUNTRIES, BY
G. PROKHOROV, 27 PP.

RUSSIAN, PER, VOPROSY EKONOMIKI, NO 11,
1962, PP 77-86.

JPRS 17269

USSR
ECON
JAN 63

220,464

(DP-4400/6)

The Countries of Socialism -- Trustworthy Friends
of the Peoples of the East, by G. Prokhorov, 14 pp.

RUSSIAN, per, Kommunist, No 16, Oct 1960, pp 53-63.

JPRS 6684

USSR

Pol

Feb 61

139,888

A Modified Ballast Reactor for Welding. by
N. N. Prokhorov, L. M. Berson, A. I. Kontsev,
1 pp.

RUSSIAN, per, Svaroch Proiz, No 11, 1960,
pp 37.

BWRA

178,990

Sci

Dec 61

Contribution of Space-Like Intervals to the
S-Matrix, by L. V. Prokhorov, 5 pp.

RUSSIAN, per, Zhur Masper i Teoret Phys, Vol XLIII,
No 2, 1962, pp 476-482.

AIP
Sov Phys - JETP
Vol XVI, No 2,

Sci
Jun 63

233,243

Properties of the Scattering Amplitude Resulting
From the Unitarity Condition, by M. A. Braun,
L. V. Prokhorov, 4 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXIX,
No 6 (12), 1960, pp 1641-~~6~~ 1646.

AIP
Soviet ~~Ex~~ Phys - JETP
Vol XII, No 6

Sci

Jul 61

160,227

Experience in Deratization of Certain Rayons
of the City of Leningrad by the Bacteriological
Method, by M. I. Eshcherov, V. P. Bobovich,
L. Ya. Sintsova, A. D. Kositskaja,
UNCLASSIFIED

RUSSIAN, per, Veterinariya, Vol XXIX, No 9,
1952, pp 45-47.

USDA

20,251

Scientific - Biology

Dec 1954 CTS

Cultures of Bacteria for Deratization, by
M. I. Prokhorov, V. T. Bobovich, UNCLASSIFIED

RUSSIAN, per, Veterinariya, Vol XXXI, No 6,
Jun 1954, pp 49-52.

20,269 USSR

Scientific - Biology

Dec 29th 1954 CTS

iii
Bacteria Employed for Combatting Rodents, by
M. I. Prokhorov, 5 pp. UNCLASSIFIED

RUSSIAN, bklt, Bakteriologicheskiy Metody
borby s Myshevidnymi Gryzunaki, publ by
State Publishing House, Moscow, 1951, pp 20-25.

✓ G-2, GSUSA G-3355

USSR
Scientific - Biology

18,731

(CSO: 1878-N)

From the Work of the All-Union Scientific Research
Institute of Agricultural Microbiology, by M. I.
Prokhorov, 7 pp.

RUSSIAN, per, Zashchita Rasteniy ot Vreditel y i
Bolezney, No 11, 1961, pp 23-24.

JPRS; 15,204

Sci - Biology
Sep 62

210,984

(SF-1781)

The Theoretical and Practical Basis of Dry Bacterial
Cultures for the Control of Harmful Rodents, by M. I.
Prokhorov, 10 pp.

RUSSIAN, per, Trudy: Vsesoyuznyy Issledovatel'skiy
Institut Veterinarnoy Ektoparazitologii i Sanitarii,
Vol XV, 1959, pp 213-223.

JPRS 4632

153,640

Sci - Biol

Jun 61

Bacteriological Fight Against Mouse-Like Rodents as a
Method of Prophylaxis ~~in~~ of Infectious Diseases,
by M. I. Prokharov, 6 pp.

Full translation.

RUSSIAN, per, Veterinariya, Vol XXVIII, No 3, Moscow,
Mar 1951, pp 36, 37.

USDA Tr

USSR

Scientific - Medicine

CTS/DEX

3751

Magnetic Logical Elements for Automatic Control
Circuits, M. P. Vasil'yeva and N. L. Prokhorov,
10 pp.

RUSSIAN, per Avtomat i Telemekh, Vol XX, No 12,
1959, 1647-1658.

Instru Soc of Amer

Sci

Aug 60

121,983

Calculating the Deformation Caused by Depositing
a Bead on the Edge of a Plate, by N. N. Prokhorov,
N. Nikol-Prokhorov, 8 pp.
RUSSIAN, pr, Avtomat Svarka, No 5, 1964,
pp 54-62.

EWRA

Sci

Oct 64

268,134

Criteria for the Manner in Which Welds Crystallize and
the Speed of the Process, by /A.S. Mastyukova and
G.N. Prokhorov, 6 pp.

RUSSIAN, per, Avtomat Svarka, No 7,
Jul 1963, pp 8-14.

British Welding Res Assoc.

Sci

May 64

259,224

Method of Estimating the Cold Crack Resistance²⁷
of Steels after Welding. H. H. Prokhorov and
E. L. Marakarov

RUSSIAN per, Svar. Proizv. Vol 9: 15-18
1958

CRL/D 708

N. N. Prokhorov

Sci-ent
July 60

385,807

THE PROBLEM OF THE STRENGTH OF METALS WHILST
SOLIDIFYING DURING WELDING, BY N. N. PRIGOROV.

RUSSIAN, PER, SVAROGIWE PROIZ, NO 6, 1956,
PP 5-11.

NLL RTS 2062

SCI - W/M

OCT 62

214,802

Methods of Determining and Regulating the Capacity
of Steels for Resisting Cold Cracking During
Welding, by N. N. Prokhorov, E. L. Makarov, 9 pp.

RUSSIAN, per, Avtomat Svarka, No 11, 1961,
pp 3-13.

BWRA

Sci

Oct 62

214,105

Resistance to Hot Tearing of Cast Metals
During Solidification, by N. N. Prokhorov,
4 pp.

RUSSIAN, per, Lit Proiz, No 4, 1962.

BCIRA

Sci

Nov 62

216,433

Ductility of Solidifying Metals, by
N. N. Prokhorov, 3 pp.

RUSSIAN, per, Lit Proiz, No 4, 1962.

BCIRA

Sci

Nov 62

216,434

Mechanical Properties of Aluminium Alloys in the
Crystallization Temperature Range During Welding,
by W. N. Prokhorov, M. P. Bochai.

RUSSIAN, par, Svach Prois, No 2, 1958, pp 1-6.

MLL HRS 1831

Sci - Engr

180,019

Jan 62

The Stability of Steel in the Process of Austenite Transformation During Welding, by N. N. Prokhorov, E. L. Makarov, B. F. Yakushin, 11 pp.

RUSSIAN, per, Svaroch Proiz, No 8, 1959, pp12-24.

British Welding Res Assoc

Sci

Aug 60

122 096

The Technological Strength of Metals While
Crystallizing During Welding, by N. N. Frokhorov,
8 pp.

RUSSIAN, per, Svaroch Press, No 4, 1962, pp 1-8.

SWRA

Doc.

Apr 63

232,547

Phase Stresses During Welding, by N. N. Prokhorov, V. S. Ignat'yeva, 7 pp.

RUSSIAN, per, Avtomat Svarka, No 4, 1962, pp 8-15.

BURA

Sci

Mar 63

232,821

On the Problem of the Reasons for the Development
of Hot Cracks in Welding, by N. N. Prokhorov.
UNCL

RUSSIAN, per, Avton Svarka, Vol VII, No 6,
1954, pp 52-58.

DSIR LLU M.1376

(loan)

Sci - Engr
Apr 60

112,676

Calculating the Crystallization Kinetics of a Welded
Joint, by H. E. Prokhorov, A. S. Leningrad, 5 pp.

1959, Jan, Soviet Union, 10, 1, 1959, pp 4-5.

ENR

841

184, 854

Kinetics of Austenite Decomposition in Steels
During Welding, by N. N. Prokhorov, et al.

RUSSIAN, per, Metal Termicheskaya Obrab Metallov,
No 3, 1959, pp 13-16.

RD 4937

Sci - Engr

Doc 59

104 540

Prokhorov, N. N. and Bochay, M. P.
MECHANICAL PROPERTIES OF ALUMINUM ALLOYS
IN THE CRYSTALLIZATION TEMPERATURE RANGE
DURING WELDING (Mekhanicheskiye Svoystva
Alyuminiyevykh Splavov v Intervale Temperatur
Kristallizatsii pri Svarke). Apr 61 [15]p. 5 refs.
RTS 1831.

Order from OTS or SLA \$1.60

61-19940

Trans. of Svarochnoye Proizvodstvo (USSR) 1958,
no. 2, p. 1-6.

DESCRIPTORS: *Aluminum alloys, Mechanical prop-
erties, *Crystallization, *Temperature, *Welding,
Fracture (Mechanics), Manufacturing methods.

Tests showed that fracture in the brittleness tempera-
ture range causes deformations that are concentrated in
zones adjacent to the fracture. If the alloy has been
beated up to the two-phase temperature, its grains are
(Metallurgy, TT, v. 6, no. 9)
(over)

61-19940

- I. Prokhorov, N. N.
- II. Bochay, M. P.
- III. RTS-1831
- IV. Department of Scientific
and Industrial Research
(Gt. Brit.)

Office of Technical Services

A Diffusion Hygrometer, by M. B. V. Deriagin,
P. S. Prokhorov, G. A. Batova, L. F. Leonov, 9 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XXVI, No 4, Apr
1956, pp 887-894.

Ussr Inst of Phys
Soviet Phys-Tech Phys
Vol I, No 4

Sci - Physics
Aug 57

51,726

The Study of Causes for Non-Coalescence of Liquid Drops Under Static Conditions (Under Lengthly Contact), by B. V. Deryagin, P. S. Prokhorov.

RUSSIAN, per, Novye Idei v Oblasti Izucheniya Aerosolei, Ak Nauk SSSR, Inst Fiz Khim, Sbornik Statei, 1949, pp 84-101.

AEC UCRL-Trans-601

Sci - Phys, Chem
24 Feb 61

141,077

Explanation of the Mechanism of Non-Coalescence
of Water Drops During Collision, by P. S.
Prokhorov.

RUSSIAN, per, Novye Idei v Oblasti Izucheniya
Aerozolei, Ak Nauk SSSR, Inst Fiz Khim,
Sbornik Statei, 1949, pp 102-107.

AEC UCRL-Trans-601

Sci - Phys, Chem
24 Feb 61

141,078

The Possibility of Surface Activation and
Passivation of Nuclei in Water Vapor Con-
densation, by G. I. Izmaylova, P. S. Prok-
horov, B. V. Deryagin, 5 pp.

RUSSIAN, per, Kolloid Zhur, Vol XIX, No 5, 1977,
pp 556-561.

Consultants Bureau

Sci - Chem

Jan 59

80,066

The Effect of the Saturation Deficit Upon the
Coagulation Rate of Water Aerosols, by P. S.
Pecherov, 5 pp. *Handwritten: Pecherov, P. S.*

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXX, No 4,
1951, pp 637-640 *Handwritten: 50821116*

Handwritten: CIA 9245661

Assoc Tech Serv - *Handwritten: 15-1815*

Sci - ^{Geo} ~~Geophys~~

Jul 58

Handwritten: 67,170

Effect of Moisture Deficiency on the Processes
of Collision and Coalescence of Water Drops,
by P. S. Prokhorov, L. P. Leonov, 9 pp.

Full translation.

RUSSIAN, per, Kolloid Zhur, Vol XIV, No 1,
Jan - Feb 1952, pp 66.

Consultants Bureau
152 West 42 Street
New York 18, N.Y.

Assoc Tech Serv

Scientific - Chemistry Aug 53 CTS/DEX

4542

A New Method of Obtaining Constant and Homogeneous
Supersaturation, by B. V. Deryagin, P. S.
Prokhorov, 7 pp.

RUSSIAN, bk, Issledovaniya v Oblasti
Poverkhnostnykh Sil, Sbornik Dokladov na
Konferentsii po Poverkhnostnym Silam, April
1960, Institut'stvo Ak Nauk SSSR, Moscow, 1961,
9667413

FTD-IT-62-429

Sci - Phys
Jan 63

219,513

Causes of the Noncoalescence of Water Droplets in
Collision, by P. S. Prokhorov, V. N. Yashin, 3 pp.

RUSSIAN, per, Kolloid Zhur, Vol X, 1948, pp 122-124.

SLA 59-15582

Sci - Chemistry
Nov 59

103,302

Diffusion Chamber with Supersaturation Constant
Throughout the Volume and in Time, by B. V. Deryagin,
P. S. Prokhorov, M. V. Velichko, 3 pp.

RUSSIAN, per, Priory i Tekh Eksp, No 2, 1960,
pp 45-47.

ISA

Sci

144, 161

Feb 61

Automatically Recording Diffusion Hygrometer, by
A. P. Nikol'skiy, B. V. Deryagin, P. S. Prokhorov,
G. A. Batova, 8 pp.

RUSSIAN, per, Zavod Lab, Vol XLIII, No 4, 1957,
pp 497-500.

CIA/FDD X-2791

Sci - Phys;
Mar 58

60,689

A Platoon Conducts ~~HEAVY~~ Combat Firing at Night,
by I. Lyudskanov, A. ~~Lyudskanov~~, 6 pp.

XX
RUSSIAN, per, Voennoy Vestnik, No 3, 1962.

ACR-1-0424-C
ID 214,539

214,275

Night Landing of a Bomber on an Unilluminated Runway,
by S. O. Prokhorov, 4 pp.

RUSSIAN, no per, Vest Voz Flot, No 6, 1957,
pp 46-48. CIA 605848

ATIC

USSR
Military
Apr 58

61,293

(DC-1875)

THE DEMOCRATIC BASES OF THE MANAGEMENT OF THE
ECONOMY ARE BEING EXPANDED, BY V. PRONKOROV,
13 PP.

RUSSIAN, PER, KODKINIST, NO 8, 31 MAY 1962,
PP 76-85.

JPRS 14237

USSR
ECON
JUN 62

201,526

Preparation of Dichlorine Heptoxide, by V. Ya.
Rosolovskiy, A. A. Zinov'ev, V. A. Prokhorov,
3 pp.

RUSSIAN, per, Zhur Neorg Khim, Vol V, No 12,
1960, pp 2148-2152.

Cleaver-Hume Press

Sci

169, 851

Sep 61

On the Choice of the Elements of a Compensation
Circuit for the Thermal Frequency Changes of Quartz
Autogenerators, by G. B. Al'tshuller, V. A. Prokhorov,
15 pp.

RUSSIAN, per, *Elektrosvyaz'*, No 1, 1961, pp 24-32.

PP

Sci

Jul 61

161,178

Thermal Compensation of Frequency Changes in
Crystal Oscillators by the Capacitance of the
p-n Junction of Semiconductor Devices, by
G. B. Al'tshuller, V. A. Prokhorov, 8 pp.

RUSSIAN, per, Radiotekh, Vol XV, No 11, 1960,
PP 39-44.

PP

Sci
Jun 61

156,383

24
Herring of the Leningrad Region, by T. F.
Machina and V. G. Prokhorov.
RUSIAN, par. Russian Communism, Vol 42, No 12,
pp 4-5.

Dept of Interior
Fish and Wildlife Service
Bureau of Foreign Fisheries

PROKHOROV, V.G.

Reel 4 and 5
Nov 67

305,496

The Use of Mist Cooling for Cutting Tools,
by Yu. G. Proskuryakov, N. F. Belov, 5 pp.

RUSSIAN, per, Stanki i Instrument, Vol XXXII,
No 6, 1961, pp 25-28.

PERA

Sci

Jun 62

193,741

Diffusion of Strontium- 90 in Soil and Sand, by
V. M. Prokhorov, 6pp.

RUSSIAN, per, Radiokhim, Vol IV, No. 2, 1962,
pp 205-210.

CB

Sci

Jan 64

245, 854

Ion Diffusion in an Adsorbing Dispersion Medium, by
V. M. Prokhorov, 5 pp.

RUSSIAN, per, Kolloidnyi Zhurnal, Vol XXV, No 1,
1963, pp 60-65.

CB

Sci -
Nov 63

241,811

On the Migrations and Spawning the Barents Sea
Capelin in 1953 and 1954, by V. S. Prokhorov.

RUSSIAN, per, Trudy Poliarussko Inst Razvedny
Rbnogo Obshch, No 10, 1957, pp 230-243.

MLL Ref: 5828.4 1979 (5,235)
(lost)

236,112

Sci - Biol & Med Sci
Jul 63

On the Migrations and Spawning of the Barents Sea
Capelin in 1953 and 1954, by V. S. Prokhorov.

RUSSIAN, per, Trudy Polyarnogo Nauchno-Issled
Instituta Morskogo Rybnogo Khozyaistva i
Okeanografii, Vol. X, 1957, pp 230-243.

Dept of Interior
SH211, B32, No 208

Sci - Biol

Jul 60

120,265

(NY-6629/4)

The Investigation of Thermal Insulating Properties of Clothing for Miners in Open Pits in the Arctic, by Yu. D. Prokhorov, I. V. Roshchin, H. I. Slepak, 13 pp.

RUSSIAN, per, Gig i San, No 6, 1961, pp 39-46.

JPRS 10066

167,779

USSR

Recd

Sep 61

On the Question of the Registration of Plasma
Energy Losses, by Yu. G. Prokhorov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 5, 1960, pp 1058-.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

Apr 61

152, 514

(TNO 20310)

Investigation Into Impulse Discharges from Great Car-
bon Strips, by L. A. Arshinovskii, A. G. Andryonov,
G. A. Kazilevskaya, Yu. G. Prokhorov, D. V. Filippov,
12 pp.

ONE Vol. to

RUSSIAN, no per, Atomnaya Energiya, No 3, Moscow,
Jun 1956, pp 76-80.

35,956
CIA/END U.S.STR

1. Nuclear Physics, thermonuclear 100 p. CTS/DXX

On the Question of the Registration of Plasma
Energy Losses, by Yu. G. Prokhorov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 5, 1960, pp 1058-.

AIP
Sov Phys - Dok
Vol V, No 5

Sci

Apr 61

152, 514

Convergence of Random Processes and Limit
Theorems in Probability Theory, by Yu. V.
Prokhorov.

RUSSIAN, per, Teoriya Veroyatnostei i ye Prim,
Vol I, No 2, 1956, pp 177-238.

Sec for Ind & Applied Math

Sci.
Nov 60

132,020

Strong Stability of Sums and Infinitely Divisible
Distributions, by Yu. V. Prokhorov, 12 pp.

RUSSIAN, per, Teoriya Veroyatnostey i yeye Primeneniya
Vol. III, No 2, 1958.

SIAM

Sci

Apr 62

191,593

Some Remarks on the Strong Law of Large Numb
by Yu. V. Prokhorov, 4 pp

RUSSIAN, per, Teoriya Veroyatnostey i Yeye
Primeneniye, Vol IV, No 2, 1959, 215-219 pp

18

Sci

Soc for Ind & Applied

Oct 60

130,092

Prokhorova, A. A. and Paushkin, Ya. M.
STUDIES IN THE FIELD OF BORON COMPOUNDS:
SYNTHESIS AND PROPERTIES OF THE CYCLO-
PENTADIENYL BORON COMPOUNDS. [1961] 4p.
Order from ATS \$5.65 ATS-01N50R

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960,
v. 135, no. 1, p. 84-86.

DESCRIPTORS: *Boron compounds, Synthesis,
Properties, Cyclopentadiene.

ATS-01N50R

(Chemistry--Organic, TT, v. 6, no. 7)

61-25183

- I. Prokhorova, A. A.
- II. Paushkin, Ya. M.
- III. Title: Synthesis ...
- IV. ATS-01N50R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Methods for the Preparation of Triallylboron and
Trivinylboron, by A. V. Topchiyev, Ye. M.
Paushkin, A. A. Prokhorova, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXIX, No. 3,
1977, pp. 550-551.

CB

Sci
Oct 60

129,959

Investigations in the Field of Boron Compounds.
Reactivity of Triallylboron, by A. V. Topchiev,
Ya. M. ~~Ramz~~ Paushkin, A. A. Prokhorova, M. V.
Kurashev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 1,
1959, pp 110-112.

CB

Sci - Chem
Sep 60

127,717

Counter-current Silica Removal in the Chemical
Water-demineralizing Cycle, by A. M. Prokhorova.
RUSSIAN, per, Teploenergetika, Vol 9, No 10,
1962, pp 21-26.
NLI/9022. 09 1963 (3125)

A. M. PROKHOROVA

Sci -
Jul 67

334,286

Prokhorova, A. M.
RESTORING THE LOST EXCHANGE CAPACITY OF
STRONGLY BASIC ANION EXCHANGERS. [1961].
Order from FT \$14. 95 FT-611

Trans. of Teploenergetika (USSR) 1961 [v. 8] no. 5,
p. 66-70.

DESCRIPTORS: *Ion exchange, Exchange reactions.

(Chemistry--Physical, TT, v. 6, no. 4)

61-22993

I. Prokhorova, A. M.
II. FT-611
III. Faraday Translations,
New York

Office of Technical Services

Effect of Medicated Sleep, Produced by Barabamyl, on
the Course of Experimental Diphtheria Intoxication, by
A. M. Prokhorova, 5 pp.

RUSSIAN, per, Byul Eksper Biol i Med, Vol XLIII,
No 1, Jan 1957, pp 53-56.

Consultants Bureau

Sci - Med

May 58

63, 611

Technological Properties of Strongly Basic Anionites,
by A. M. Prokhorova.

RUSSIAN, per, Teploenergetika, Vol III, No 12, 1956,
pp 14-20.

ATB 3K25R

RJ-1522

1

Sci
May 59

87,260

Pathoanatomical Changes in the Central Nervous
System and in the Internal Organs of White Rats
When Varying ~~REDACTED~~ Doses of Barbital [Arytal]
Are Used, by A. N. Prokhorova, 6 pp.

RUSSIAN, no per, Byul Eksper Biol i Med, Vol XII,
No 7, Jul 1956, pp 75-78.

Consultants Bureau

Sci - Med

56,187

Dec 57

On the Gas Exchange During Respiration of Grain
Stored in Silos and Warehouses, by A. P. Prokhorova
V. I. Kretovich.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIII, No 1,
1968, pp 65-68.

D.S.I.R./27141

Sci - Chemistry
Apr 57 CIB/sex

46, 699

The Polarographic Determination of Ultrasmall
Quantities Using a Stationary Mercury Electrode,
by E. N. Vinogradova, G. V. Prokhorova, 4 pp.

RUSSIAN, per, Zavod Lab, Vol XXVI, No 1, 1960,
pp 41-45.

ISA

Sci

Feb 61

141, 911